Reliability Engineering and System Safety **41** (1993) 287–288

CONTENTS OF VOLUME 41

Number 1

Sojourn Times in Semi-Markov Reward Processes. Application to Fault-Tolerant Systems Modelling 1
G. RUBINO & B. SERICOLA (France)

Reliability of a k-out-of-n : G System with Common-Mode Outages 5
K. H. JUNG, H. KIM & Y. KO (Korea)

Probability Networks for Handling Uncertainty in the Performance Assessment of High-Level Nuclear Waste Repositories 13
A. S. HEGER & J. R. HILL (USA)

Complex Radioelectronic Equipment Restoration Cost Optimization 21
O. MARTYNENKO (Ukraine)

Context and Human Reliability Analysis 25
E. DOUGHERTY (USA)

Linear Consecutive-k-out-of-n : F System Reliability with Common-Mode Forced Outages 49
K.-H. JUNG & H. KIM (Korea)

Second Moment Reliability Analysis of Redundant Systems with Dependent Failures 57
G. L. GREIG (Canada)

Determination of Design Alternatives and Performance Criteria for Safety Systems in a Nuclear Power Plant via Simulated Annealing 71
W. S. JUNG & N. Z. CHO (Korea)

The Development of a Theory of Mechanism Reliability 95
Y.-S. FENG (People's Republic of China)

Calendar 101

Number 2

The Limiting Distribution of Residual Lifetime of a Markov Repairable System 103
W. LI & J. CAO (People's Republic of China)

A Method Dealing with Correlations in Uncertainty Propagation by Using Traditional Correlation Coefficients 107
Q. ZHANG (People's Republic of China)

Identifying Sensitivity Changes Between Explosive Batches 115
M. JAEGER, D. TZIDONY & A. ZEHAVI (Israel)

On Selecting Components for Redundancy in Coherent Systems 121
F. C. MENG (Taiwan)

Optimization of Proof Test Intervals in Fault Tree Analysis 127
S. L. SCHOFIELD (UK)

Reliability Engineering and System Safety (**41**) (1993)—© 1993 Elsevier Science Publishers Ltd, England.

Dynamic Event Trees in Accident Sequence Analysis: Application to Steam Generator Tube Rupture . . . 135
C. ACOSTA & N. SIU (USA)

Optimization of Test Strategies: A General Approach . . . 155
S. URYAS'EV & H. VALLERGA (Austria)

Petri Net Modelling and Reliability Evaluation of Distributed Processing Systems . . . 167
V. KUMAR & K. K. AGGARWAL (India)

Quantifying Maintenance Effects on Unavailability and Risk Using Markov Modeling . . . 177
W. E. VESELY (USA)

A Probabilistic Fracture Mechanics Analysis for Cracked Pipe Using 3-D Model . . . 189
G. YAGAWA & G.-W. YE (Japan)

Technical Note

Studies on Optimum Preventive Maintenance Policies for General Repair Result . . . 197
H.-Y. GU (People's Republic of China)

Short Communication

A Meaning of the Overlapped Area Under Probability Density Curves of Stress and Strength . . . 203
M. ICHIKAWA (Japan)

Book review . . . 205

Calendar . . . 207

Number 3

Failure Frequencies of Non-Coherent Structures . . . 209
G. BECKER (Germany) & L. CAMARINOPOULOS (Greece)

Nonparametric Inferences for Ramp Stress Tests Under Random Censoring . . . 217
D. S. BAI & Y. R. CHUN (South Korea)

Some Parameter-Free Tests for Trend and Their Application to Reliability Analysis . . 225
C. TIBOR (Hungary)

Use of Recursive Methods in Fuzzy Fault-Tree Analysis: An Aid to Quantitative Risk Analysis . . . 231
U. SHARMA & M. SUDHAKAR (India)

A Reliability Analysis Technique for Quantal-Response Data . . . 239
C. P. HWANG & H. Y. KE (China)

A Failure-Censored Life Test Procedure for Exponential Distribution . . . 245
S. K. SEO & B. J. YUM (South Korea)

On Asymptotic Reliability Functions of Series Parallel and Parallel-Series Systems with Identical Components . . . 251
K. KOLOWROCKI (Poland)

On Performance Measures for Multistate Monotone Systems . . . 259
T. AVEN (Norway)

Statistical Methods for the Use of Accident Precursor Data in Estimating the Frequency of Rare Events . . . 267
V. M. BIER (USA)

Book review . . . 281

Calendar . . . 285